

CLAIMS

What is claimed is:

- 5 1. A method for generating source code comprising:
 generating a translation file containing translation logic;
 inputting the translation file into a code
10 generator; and
 generating translation source code as a function of the translation file.
- 15 2. The method of Claim 1 further comprising:
 generating a plurality of translation files; and
 inputting the plurality of translation files into the code generator.
- 20 3. The method of Claim 1 further comprising:
 generating a logical model using a modeling tool;
 translating the logical model into a unified model; and
 inputting the unified model into the code generator.
- 25 4. The method of Claim 3 further comprising generating at least one source code object as a function of the unified model.
- 30 5. The method of Claim 3 wherein said generating of at least one source code object comprises generating at least one interface definition language element.
- 35 6. The method of Claim 3 further comprising:

storing the unified model in a schema repository;
and
storing the translation file in the schema repository.

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7. The method of Claim 1 further comprising:
storing the translation file in the schema repository.

10 8. The method of Claim 1 wherein the translation file contains translation logic to translate data from a database into a standard format.

9. A method of generating source code objects
15 comprising:
providing a code generator with a unified model represented in a unified modeling language;
providing the code generator with a system definition;
20 providing the code generator with a translation file in the unified modeling language;
generating source code objects as a function of the unified model and the system definition; and
generating source code objects as a function of
25 the unified model and the translation file.

10. The method of claim 9 wherein the system definition comprises a plurality of templates, each defining at least one service within a framework.
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11. The method of claim 9 further comprising:
generating a logical model using a modeling tool;
and
translating the logical model into the unified
35 model.

12. The method of claim 9 wherein the generating
of source code objects as a function of the unified model
and the translation file comprises generating source code
5 to translate an object element from the unified model into
a standard format.

13. A system for accessing a database through a
translation layer comprising:
10 a first database;
a translation layer, defined by translation
source code; and
an application for accessing the first database
through the translation layer.

14. The system of claim 13 further comprising:
a second database;
wherein the application accesses the second
database through the translation layer.

15. The system of Claim 14 wherein the data
coming from the first database and the second database is
received by the application in a standard format.

16. The system of Claim 15 further comprising:
a first unified model representing the first
database; and
a second unified model representing the second
database.

17. The system of Claim 13 further comprising a
first unified model representing the first database.

18. The system of Claim 17 further comprising:

a logical model for modeling the first database;
and
a system definition.

5 19. The system of Claim 13 wherein the translation layer translates data coming from the first database into a standard format.

20. The system of Claim 19 further comprising:
10 a second database;
 wherein the translation layer translates data coming from the second database into the standard format.

21. A method for generating source code objects
15 comprising:
 generating a logical model using a modeling tool;
 translating the logical model into a corresponding unified model;
 generating a system definition comprising a
20 template, the template defining at least one service within a framework; and
 generating at least one source code object as a function of the unified model, and the template.

22. The method of claim 21 wherein the translating of the logical model comprises generating at least one Unified Modeling Language (UML) element.

23. The method of claim 21 wherein the generating
30 of the system definition comprises generating in the template at least one JavaScript element.

24. The method of claim 21 wherein said generating of at least one source code object comprises

generating at least one interface definition language element.

25. The method of claim 21 further comprising:
5 defining an adaptor, the adaptor defining a translation from the modeling tool.

26. The method of claim 21 further comprising:
storing the unified model in a schema repository;
10 wherein said generating of the source code objects comprises retrieving the unified model.

27. The method of claim 21 further comprising:
retrieving data from a database by employing the
15 source code objects and the unified model to define a relationship between an object oriented database query and the data.

28. The method of claim 21 further comprising:
20 generating a translation file, the translation file containing translation logic; and
generating at least one source code object as a function of the translation file.

29. The method of claim 28 further comprising:
25 storing the translation file in a schema repository.